

ROD END FEMALE

SELF-LUBRICATING

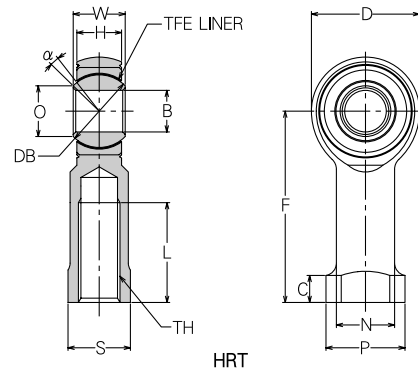
3 PIECE

Materials

	HRT	HRT-CR
BODY	Chromium-Molybdenum Steel Zinc Plated	SUS630 Stainless Steel Passivated
RACE	410 Stainless Steel / Heat Treated	410 Stainless Steel / Heat Treated
BALL	440C Stainless Steel / Heat Treated	440C Stainless Steel / Heat Treated
LINER	Teflon / Fabric	Teflon / Fabric

Description of Types

HRT	D	L	xx	CR	T
<p>No Letter Indicates Standard Breakaway Torque Letter "T" Indicates Low Breakaway Torque</p> <p>No Letter Indicates Chromium-Molybdenum Steel Letter "CR" Indicates SUS630 for Body</p> <p>Bearing Bore Code</p> <p>No Letter Indicates Right Hand Thread Letter "L" Indicates Left Hand Thread</p> <p>For X-1276 LINER add suffix "D"</p> <p>Basic Part No.</p>					



Dimensions in mm

MINEBEA Part No.	φB H7	φD ± 0.5	W 0 — 0.13	H ± 0.13	F ± 0.5	TH JIS Class 2	L ± 0.7	φN ± 0.5	φP ± 0.5	C + 0.2 — 0.7	S ± 0.25	α (deg.)	φO Ref.	SφDB Ref.	No Load Rotational Breakaway Torque N · m	Static Limit Load kN(3)		Radial Static Ultimate Load (3) kN	Fatigue Load (3) kN	Approx. Weight g	
															Standard	Radial	Axial (2)				
HRT3	3	16.0	7.0	5.25	30.0	M3 × 0.5	16	7.0	9	3.5	8	18	5.2	8.73	0.06 ~ 0.68 {0.6 ~ 6.9kgf · cm}	14.70	1.96	30.89	5.14	29	
HRT4	4	18.0	9.5	7.75	32.0	M4 × 0.7		8.5	11		10	16	5.8	11.11		31.38	3.53	43.34	7.15	35	
HRT5	5	20.5	11.0	8.75	35.0	M5 × 0.8	19	10.8	15	4.5	12	15	7.8	13.49		0.12 ~ 1.13 {1.2 ~ 11.5kgf · cm}	27.94	5.09	34.91	5.78	40
HRT6	6	20.5															22.94	5.09	34.91	5.78	40
HRT8	8	23.0	8.25	41.0	M8 × 1.25	22	12.5	17	6.5	14	14	10.9	15.48	34.02	5.29		42.46	7.06	51		
HRT10	10	26.0	10.75	46.0	M10 × 1.5	24	14.0	19		15	8	12.2	17.46	37.65	6.76		47.07	7.84	73		
HRT12	12	34.0	16.0	13.25	57.0	M12 × 1.75	32	18.5		24	20	10	15.4	22.22	78.06		8.33	97.57	16.18	150	
HRT14	14	36.0	17.0	14.25	60.0	M14 × 2.0	33	19.0	7.5	21	11	19.0	25.40		0.23 ~ 1.80 {2.3 ~ 18.4kgf · cm}		82.96	9.02	103.65	17.25	165
HRT15	15	38.0	18.0		62.0		34	20.0					25	8.5			21	11	19.0	26.19	95.32
HRT16	16	39.0	19.0	15.25	63.5	M16 × 2.0	35	22.0	27	9.5	23	10	19.2	26.99			100.71	9.70	125.81	20.98	218
HRT17	17	41.0	20.0		68.0	M16 × 1.5	37	23.0	28		24	12	20.4	28.58			101.40	10.29	126.70	21.08	241
HRT18	18	43.0		22.0	16.30	74.0	M18 × 1.5	40	24.0	30	10.0	26	10	22.9		31.75	120.62	12.16	150.72	25.10	283
HRT20	20	45.0	76.0			M20 × 1.5	41	25.0	26			13	121.30				12.84	151.61	25.20	330	
HRT22	22	52.0	19.30	85.0	M22 × 1.5	47	28.0	36	12.0	30	6	27.1	34.92	156.21		15.10	195.25	32.55	580		
HRT25	25	70.0	35.0	25.30	105.0	M24 × 2.0	54	42.0	50	14.0	43	15	32.3	47.62		302.43	20.88	378.04	63.05	1230	
HRT28	28	75.0			110.0	M27 × 2.0	58	44.0	56	15.0	47	14	36.8	50.80		283.70	23.24	354.60	59.13	1620	
HRT30	30	78.0			37.0	26.30	120.0	M30 × 2.0	62	48.0	60		16.0	51	40.4	54.77	271.93	24.81	339.89	56.68	1930

Notes

- Teflon liner permanently bonded to race I.D.
 - Axial load indicates either the smaller value of static load or proof load.
 - Select Type "CR" for higher load capability.
 - Made to order only.
 - No Load Rotational Breakaway Torque.
Low Torque All Size: 0.02N · m MAX
(Radial Clearance 0.05mm MAX)
- Please consult MINEBEA for availability of bearings in this series.

Bore size	~ 3	~ 6	~ 10	~ 18	~ 30
H7 Tolerance (μm)	+ 10 0	+ 12 0	+ 15 0	+ 18 0	+ 21 0